

# NASA to build by Tech Square

On August 20, NASA announced the opening of a \$60 million electronics research center in the Kendall Square area. Construction on the new research center, which will cover a 29-acre tract, is scheduled to begin in September of 1965 and completion is scheduled in 1969.

According to NASA administrator James E. Webb, his agency had investigated more than 160 sites before selecting the one in Cambridge. Webb also said that the proximity of the site to MIT and Harvard represents "an opportunity for a far-sighted and mutually profitable development."

**Some opposition**

City Councillor Alfred E. Velucci commented that he had been informed that Harvard President Nathan E. Pusey is not too pleased with the plan to locate the center in the Kendall Square area.

James B. Killian, chairman of the Board of MIT, on the contrary, is in favor of the present plan and was one of the prime movers in the suggestion that the center be situated at the Cambridge site.

94 local businesses, including warehouses and light industry, employing a total of 2510 employees will be affected by the center.

**Businesses move?**

Most of the businessmen in the area are concerned about the allowance for relocation under the present urban renewal laws. The allowance has been set at a \$25,000 maximum, in excess of payment for property actually taken.

Mayor Edward A. Crane said studies had indicated none of the firms had shown a definite intention of moving from the Cambridge area.

However, Robert A. Chadbourne, executive vice president of Associated Industries of Massachusetts said that his company had checked with 28 of the firms and feared that "more than 800 jobs would be lost to Massachusetts if the area were to be demolished."

Mayor Crane commented that NASA will employ 2100 persons, including 700 scientists, which should aid the general growth of the city.

**Tax valuations**

He estimated that the city will lose about \$4.5 million in assessed valuations, or about \$125,000 in actual collections.

"We can absorb that loss for one or two years," Crane stated. "We've had the tax rate in a deep freeze for three years now, at \$72.60, and we can probably hold it there."

In a joint-statement, Dr. Julius A. Stratton and Dr. James R. Killian Jr. of MIT said:

"The presence of the laboratory, coupled with the associated developments incorporated in the plan proposed by the city, offers an unprecedented opportunity for advancing the economic welfare of Cambridge and of the Boston metropolitan community."

**Senator 'delighted'**

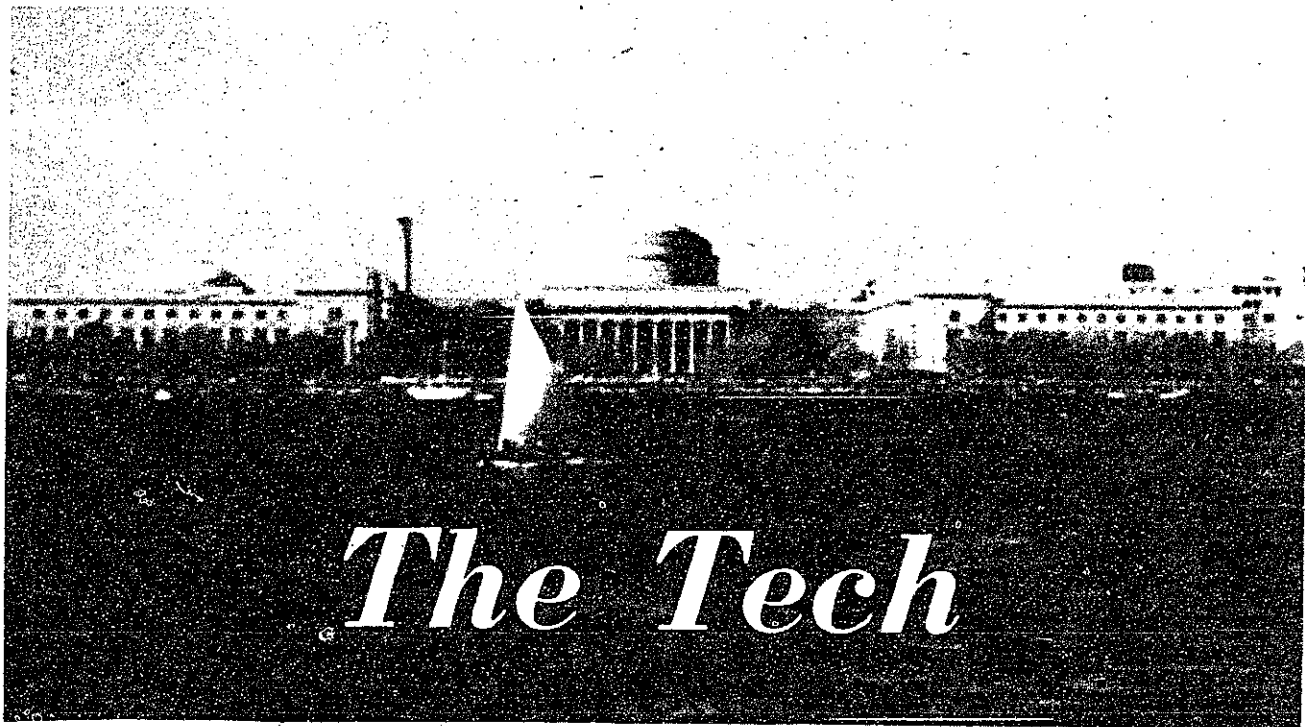
Massachusetts Senator L. Saltonstall was quoted in the Boston papers as being "delighted" with

the final selection of the sight. He pointed out that other communities still had a chance to compete for an auxiliary suburban site to be associated with major site in Cambridge.

**Four conditions**

In a letter to Cambridge Mayor Edward Crane, NASA Administrator Webb specified that four conditions must be met by the city:

1. Necessary approvals for cleared land under Federal Urban Renewal procedures;
2. Furnished usable land to be not less than 29 acres;
3. Satisfactory development of plans for the Broad Canal and other water right matters; and
4. Closing of Fifth, Sixth, Munroe and Potter streets.



Vol. 84, No. 15 Cambridge, Massachusetts, Friday, September 18, 1964 Free

## Sammies first

## Average grades for dorms better fraternities'

Sigma Alpha Mu led all living groups in academic rank last year with a composite sum of 4.0. The all fraternity average was 3.7, matching that of all non-fraternity groups.

The frosh of Sigma Alpha Mu led all groups in freshman average with a 4.2. Fraternity freshmen averaged 3.5 while non-fraternity frosh had a 3.6 average.

The standings of all living groups are listed below. The averages have been computed to two-figure accuracy; and those groups with identical values are arranged in alphabetical order.

Living Group	Overall Ave.	Frosh Ave.	Pi Lambda Phi	3.8	3.7
Sigma Alpha Mu	4.0	4.2	Senior Houses	3.8	3.5
Alpha Tau Omega	3.9	3.6	Sigma Alpha Epsilon	3.8	3.3
Beata Theata Pi	3.9	3.9	Sigma Chi	3.8	3.6
Phi Delta Theata	3.9	3.5	Theata Chi	3.8	3.8
Alpha Epsilon Pi	3.8	3.7	Zeata Beta Tau	3.8	3.6
Alumni Houses	3.8	3.6	Baker House	3.7	3.7
Burton House	3.8	3.6	Delta Upsilon	3.7	3.6
Chi Phi	3.8	3.7	Kappa Sigma	3.7	3.6
Delta Kappa Epsilon	3.8	3.5	Sigma Phi Epsilon	3.7	3.5
Delta Psi	3.8	3.9	Theata Xi	3.7	3.6
McCormick Hall	3.8	3.6	Bexley Hall	3.6	3.7
			MIT Student House	3.6	2.9
			Non-Resident Students	3.6	3.6
			Phi Beata Epsilon	3.6	3.3
			Phi Gamma Delta	3.6	3.4
			Phi Kappa Sigma	3.6	3.0
			Phi Sigma Kappa	3.6	3.3
			Delta Tau Delta	3.5	3.3
			Phi Kappa Theata	3.5	3.2
			Phi Mu Delta	3.5	3.1
			Tau Epsilon Phi	3.5	3.5
			Theata Delta Chi	3.5	3.2
			Lambda Chi Alpha	3.4	3.4
			Sigma Nu	3.3	3.3

# '68 class numbers 890

About 890 Freshmen, from a total of 706 secondary schools, swarmed into the Institute this week for the annual Freshman Weekend. The Class of 1968 hails from 49 states and 24 foreign countries.

Forty-seven members of the new class are coeds; they will be the first group to take part in a formal orientation program in the year-old women's dormitory, McCormick Hall.

Under the Advanced Placement program, about 338 freshmen, or 38% of the class, qualified at entrance for college degree credit. Twenty-one students submitted college transcripts reporting work done in a college, either in summer sessions or in parallel with their high school program. They received a total of 35 terms of MIT credit. Eighteen students are entering Tech directly from their junior year in high school.

Academically, 85.3% of the freshmen are from the top tenth of their graduating class. For the freshmen listed as planning to attend as of July 1 the following college board averages were calculated: SAT verbal, 672; SAT math, 760; English composition or history, 666; chemistry, 706; physics, 693. More than 379 freshmen

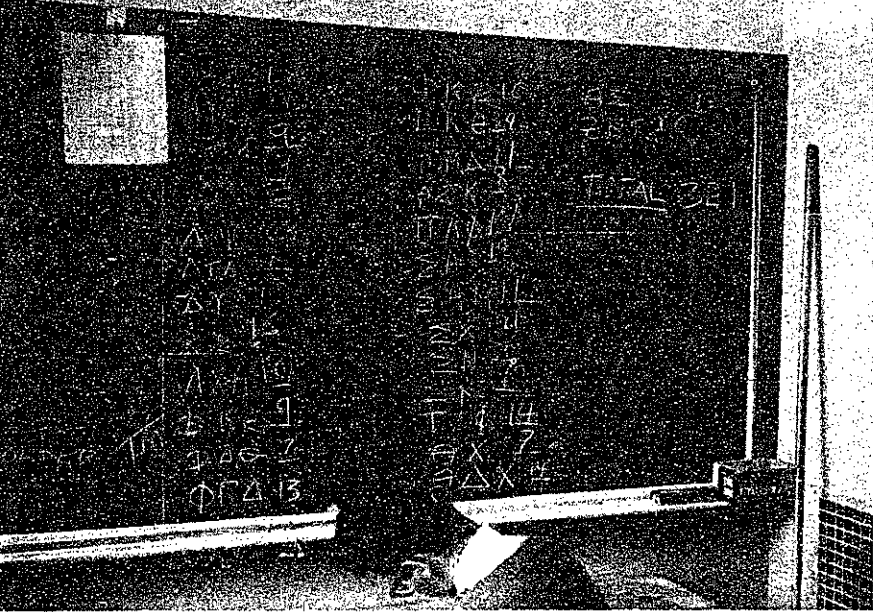


Photo by John Torode

IFC keeps track of 1964 pledges on tally board at clearing house. As of noon Wednesday the score was 321.

will receive scholarship assistance from private companies, foundations, and the Merit Scholar program as well as from the Institute.

Ninety-two members of the new class are from Massachusetts. Forty freshmen are sons or daughters of MIT alumni, while eight have fathers on the faculty

or staff. Forty-nine students are citizens of foreign countries.

Rush Week attendance was 614, a smaller number than either of the two previous years. This is partially due to a somewhat smaller class.

Pledges this year number 329, the highest total yet achieved. Last year there were 318 pledges.

# Revising 14.003 draws government fund support

**By Bill Judnick**

The Political Science Section of Course XIV has been awarded a \$195,000 grant from the Office of Education for the development and evaluation of a social science course for technical institutions.

As a result, this year's sophomore humanities option 14.003 will undergo a substantial revision of both content and form, according to Professor Ithiel de Sola Pool.

The course, to be offered in both semesters, will be under continuous study and development for the next four years. All full faculty members of the Political Science Section are expected to participate in rotation during this period.

One lecture and a two-hour seminar will comprise the class schedule.

Professor Pool indicated that the course would be covering two major topics: man's interaction to a changing technology and industrialization, and alternative models of man seeking to explain human behavior.

Under the first major heading would come such topics as pre-industrial life, transition to the industrial society, and diffusion of innovation. The second topic would treat rational models using utility theories, and the stimulus-response or influence model.

The student will have the opportunity to do intensive work for four weeks on a selection of topics, and to do some field research on the coming presidential election. Analysis of survey data and psychological experimentation will also be included.

**Course evaluation**

George Angell, an educational psychologist who has come to MIT this semester, will head the study of the effectiveness of the offering. This will include feedback from student participants when interviewed, and comparisons with students who have not had the course.

Professors Pool and Paul Kay will be in charge of the overall effort.

## Two get life

The Board of Directors of MIT have elected two new life members of the Corporation.

They are: William Webster, chairman and chief executive of the New England Electric System; and Russell DeYoung, chairman of the board of The Goodyear Tire and Rubber Company.

Five other men have been elected to serve five-year term memberships on the governing body: Eugene McDermott, chairman of the executive committee of Texas Instruments, Inc.; Dr. Ivan Getting, president of Aerospace Corporation; Dr. Emilio G. Collado, vice president and director, Standard Oil Company (New Jersey); M. Wren Gabel, executive vice president of Eastman Kodak Company; and Samuel Groves, president and chairman of the executive committee of United-Carr Inc.

**Staff candidates**

There will be a meeting of candidates for the staff of The Tech Tuesday evening, September 22 at 7:30 pm in The Tech's office, second floor of Walker Memorial. Anyone interested is invited to attend.

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## Henry K. Dow, director of housing, died in July; served 22 years

Henry K. Dow, MIT Director of Housing, died suddenly on July 29. He has been succeeded by Laurence H. Bishoff, former Assistant to the Dean of Student Affairs.

Mr. Dow came to MIT 22 years ago when the Alumni Houses and Graduate House were the only dormitories. He served successively as superintendent of the East Campus, manager of the Graduate House dining service, and superintendent of Graduate House. He was a guiding spirit in the expansion of the dormitory system.

Mr. Dow was scheduled to attend the August conference of the American College and University Housing Officers at the University of Michigan as a member of its nominating committee. He was also secretary of the National Association of Educational Buyers.

Memorial services for Mr. Dow were held in the Chapel on August 12, commemorating his efforts on behalf of the well-being of the undergraduates at the Institute.

# Construction at Tech rapid through summer

Construction around the Institute has been proceeding at a rapid rate over the summer. Several buildings under construction have been topped off and are now being enclosed so inside work can begin, and a number of improvements have been made in the dormitories.

Going from east to west on campus, here's the present state of building construction:

## Going up

The Grover M. Herman Building, to be used for social science and management research, is expected to be ready in the middle of 1965. The 5-floor building, which was begun in January of this year, will also include a parking garage to hold approximately 30 cars.

The Green Center for the Earth Sciences, begun in early 1963, is now occupied by Courses 12 and 19. It will be dedicated on October 2.

Slightly northwest of the Earth Sciences Center is the new Center for Life Sciences. The building was begun in September of last year, and will be completed in 1965. When finished, it will have 8 floors plus a penthouse and two basement levels.

## Materials Center topped

Directly behind the great dome the Materials Science and Engineering Center is growing. The building was topped off in August, and will be closed off in another month. Begun in April of 1963, it should be ready for occupancy next spring.

Construction began in August on the high-voltage research building. The new building will be located next to Instrumentation Laboratory on the corner of Massachusetts Avenue and Albany Street. The building will contain high-voltage apparatus, shielded vaults, and other research and office areas. It is expected the initial occupancy will be at the end of this year.

The Student Center, begun last September, is expected to be ready next September. It will con-

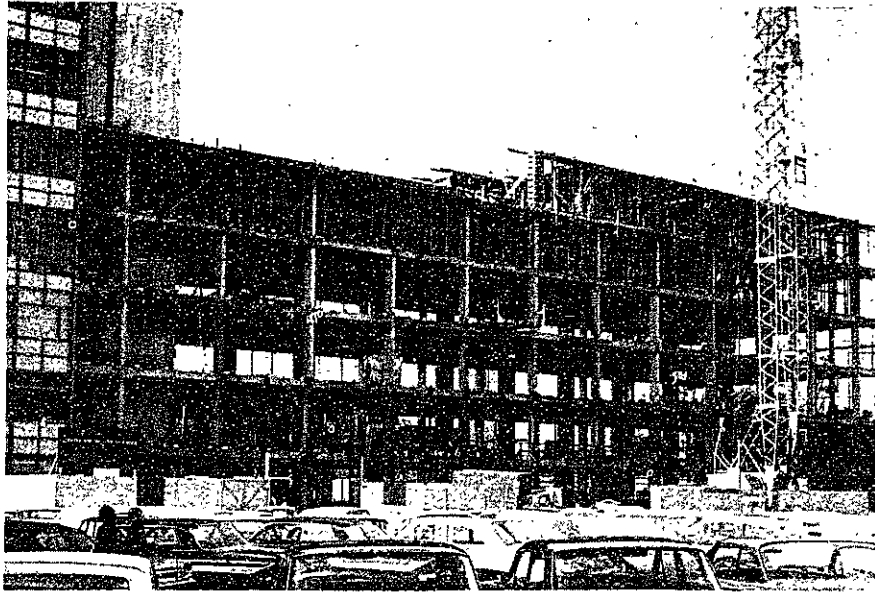


Photo by John Torode

Recently topped off was the Center for Materials Science and Engineering (right), due for occupancy next spring. Somewhat later next year the Center for Life Sciences (above, left) and the Student Center (above, right), will be ready, with the Student Center library a possible delaying factor.

tain the Coop, activity offices, and dining facilities. Also under consideration is a library on the top floor. If this is built, occupancy may be delayed several months.

Commencement Day saw the first use of the new Vassar Street parking garage behind Briggs Field. The garage, begun in early 1963, holds 450 cars.

## Inside information

While some buildings have gone up, others have been altered inside. Starting in the east again, this is what's gone on:

The Daggett Building, to be used for administrative offices and toxicology and pathology labs, has been completely redone inside. It should be ready for full occupancy late this year.

## 41 floods damage labs during last year

There were 41 floods in laboratories last year, a summer issue of 'Safe Talk' reports.

The usual cause was that water-cooled experimental apparatus had been left operating overnight. When Cambridge city water pressure fluctuates acutely, a not infrequent occurrence in summer, hose connections work loose or split and the result remains undetected for some time.

Senior House and East Campus have had about 70 rooms painted and refurbished. Exterior woodwork on windows was also repainted. East Campus had a darkroom and hobby shop added, and additional ventilation was added to the rumpus room.

The Institute's power plant has been renovated. Two boilers which had been in the plant since 1916 were replaced with new boilers. Work on the plant is expected to be done in about a month.

## Epsco in use

The Epsco Building, to be used as temporary quarters for the Center for the Space Sciences and as another addition to Instrumentation Lab, is expected to be finished by the end of the year. The Space Center is in the process of moving into the third floor, and Instrumentation Lab will move into its quarters on the first two floors as soon as they are ready.

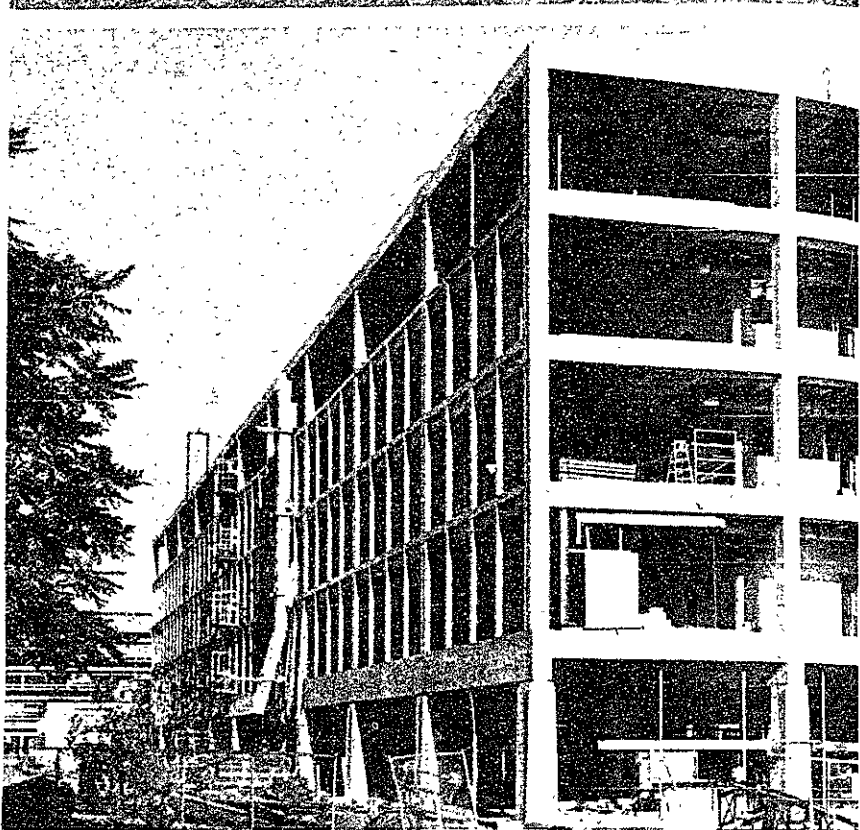
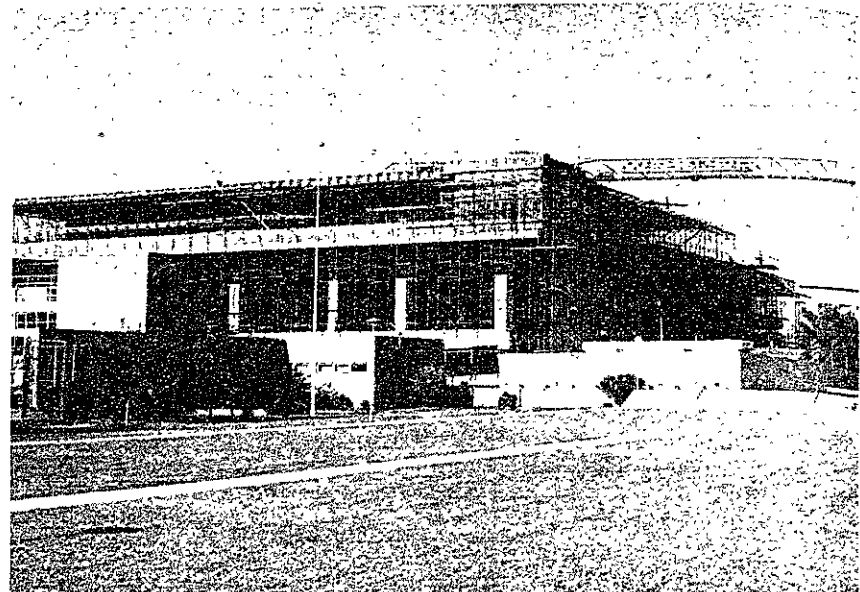
The rest of Bexley Hall has been renovated for student housing, and a recreation room has been installed in the basement.

Four kitchenettes have been installed in Graduate House. The Crafts lounge and the halls and floor on the sixth floor have been renovated. In addition, there is a new roof on the Campus Room.

## More woodwork

Woodwork on Baker House windows has been repainted, and furniture and floors on the fourth floor were repaired. Swinging doors on three floors have also been replaced.

Burton House's main innovation is a new elevator under construc-



tion on the Corner side, replacing the ancient 'Conner Rocket.' The elevator should be ready in 6 or 7 weeks. Some 60 rooms have been repainted, and a service ramp in the 420 entrance has been added. The program of adding fire sprinklers has been continued, and the dining hall floor has been renovated.

The parking lot for the Married Students Housing has been paved, and lights have been added. Landscaping has been completed, and fences for the pro-

tection of children have also been installed.

In the process of planning and design, according to Phillip Stoddard, Vice President in charge of Operations and Personnel, are the Space Science Center, the Advanced Engineering Center, the new boat house, another unit of Married Students Housing, north of the Sloan Building, a parking garage at Technology Square and, in the preliminary stages of planning, a new Chemistry Building.

## Arthur C. Cope receives \$5000 from American Chemical Society

Professor Arthur C. Cope, head of the department of chemistry, received the American Chemical Society's \$5,000 Roger Adams

Award in Organic Chemistry in Chicago, August 1.

Doctor Cope's extensive research on mechanisms of carbon atom rearrangement in rings has comprised nearly 200 published papers since 1931. His nomination for the award cited his "combination of bold concept and thorough experimentation."

Professor Cope joined the MIT faculty in 1945.

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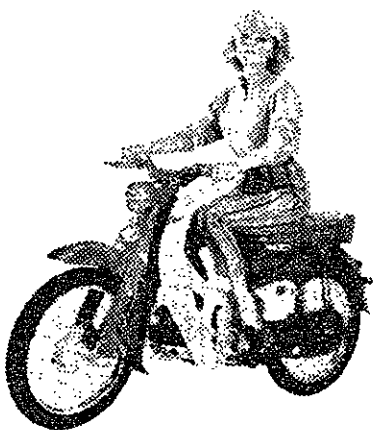
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## Book co-authored by Prof. Pool cited as 'best on politics' for year

Professor Ithiel de Sola Pool is one of three recipients of the 1964 Woodrow Wilson Foundation Book Award for having co-authored "American Business and Foreign Policy."

He received the recognition at the annual dinner of the American Political Science Association in Chicago, September 9.

The book was cited by the association as "the best book on government, politics or international affairs" for the year and "a definitive study of the politics

of foreign trade." It covers political developments in foreign trade from Eisenhower's inauguration to the Kennedy Trade Expansion Act.

The authors found several things contrary to popular supposition, including: 1) members of congress tend to lead rather than follow public opinion; 2) congressmen do not usually let self-interest interfere in their decisions.

The text drew compiled information from 900 interviews of chief executives of corporations.

## Dynamics of research studied

Computer techniques of stimulating and studying the management of large scale research and development efforts have been worked out at the Sloan School of Management, Massachusetts Institute of Technology, and findings so far suggest that some notions popular in government and industry may be of doubtful value.

The computer simulation methods are described in a new book, "The Dynamics of Research and Development" (New York: Harper & Row Publishers, Inc.; 1964), written by Dr. Edward B. Roberts, assistant professor of industrial management at the Sloan School and associate director of

the school's Organization Research Program.

Computer simulation, Professor Roberts says, can be as useful to the design and test of R&D managerial ideas as wind tunnels, ship-towing tanks, scale models and pilot plants are to the design and test of the hardware that R&D produces.

The use of computers by Professor Roberts in studying and designing R&D management is based on the theories and concepts of the emerging field in industrial management called industrial dynamics.

The originator of industrial dynamics, Professor Jay W. Forrester of the Sloan School, notes in a forward to Professor Roberts' book that the dynamic approach views the R&D process as a closed-loop cycle dependent on, and influenced by, a variety of intermingled social, economic and technological factors. He indicates that the book clarifies substantially the contradictions and confusions surrounding research management.

The life-cycle concept of R&D, Professor Roberts says, is an important observation emerging from computer simulation studies of more than a thousand R&D project histories.

## Franklin, von Hippel

## Prominent faculty members retire

By Charles Kolb

Among the members of the faculty and administration who retired after the spring semester are: John E. Burchard, dean of the School of Humanities and Social Science; Philip Franklin, secretary of the faculty and professor of mathematics; and Arthur R. von Hippel, Institute Professor.

### Dean Burchard

Dean Burchard, the first head of the School of Humanities and Social Science, will lecture on architecture and urban planning as a visiting professor at the University of California at Berkeley. He plans to return to MIT for the spring semester to teach at the Sloan School of Management.

Before assuming the duties of dean, Professor Burchard served as the director of the Institute's libraries. Dean Burchard has also retired as chairman of the board of the MIT Press.

### Prof. Franklin

Professor Franklin has been named Professor of Mathematics, Emeritus, and will continue to lecture some classes in undergraduate mathematics. For the past five years he has served in the elective post of Secretary of the Faculty. He is also editor of the MIT Journal of Mathematics and Physics.

Dr. Franklin joined MIT as an assistant professor in 1925 and was appointed a full professor in

1937. He is the author of some 40 articles in mathematical journals and has written eight books.

### von Hippel

Dr. von Hippel was the director of the Laboratory for Insulation Research, which he founded in 1940. He is known for his pioneering work in the field of materials science.

Coming to MIT in 1936, Dr. von Hippel served as a professor of electrophysics until 1962. At that time he was appointed to the post of Institute Professor.

Among other faculty members retiring were:—

### Collins, Adams

Dr. Samuel C. Collins, professor of mechanical engineering, was responsible for the creation of the Cryogenic Laboratory at MIT. He will continue research on a new pump-oxygenator (heart-lung machine).

Professor Frederick J. Adams, professor of city planning, joined the faculty in 1932. He organized the city planning course at MIT, which was the second of its kind in the country.

### Nottingham, Norton

Professor Wayne B. Nottingham joined the physics department in 1931. He is noted for his research in the thermionic con-

version of heat to electricity, and in 1935 founded the annual MIT conference in physical electronics.

Dr. John T. Norton, professor of the physics of metals, served on the physics faculty before joining the metallurgy department in 1930. He served as chairman of the faculty from 1956 to 1958, and acting dean of the graduate school in 1961.

### Mirabelli, Bently

Professor Eugene Mirabelli, associate professor of civil engineering, has been a member of the faculty for 44 years. He will remain on a part time basis to teach mechanical engineering structural design subjects.

Professor Frank K. Bently, assistant professor of aeronautics and astronautics, came to MIT in 1946 from the air force. He was responsible for teaching elementary and detail design subjects in aeronautical engineering, and was engaged in research on aircraft instrumentation.

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## Fellowship deadline soon

The deadline for filing Fulbright-Hays fellowship applications for the 1965-66 academic year is Oct. 30.

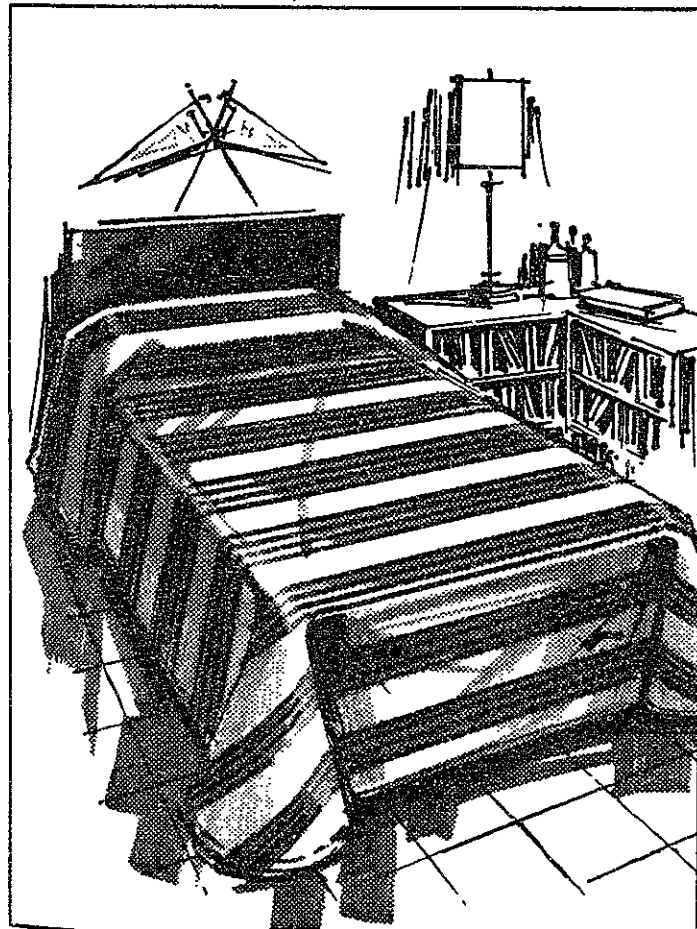
Application forms and information for those interested in obtaining these grants for graduate study abroad are available at the office of B. Alden Thresher, 1-270. Department heads have specific information on opportunities in their fields.

## South Seas

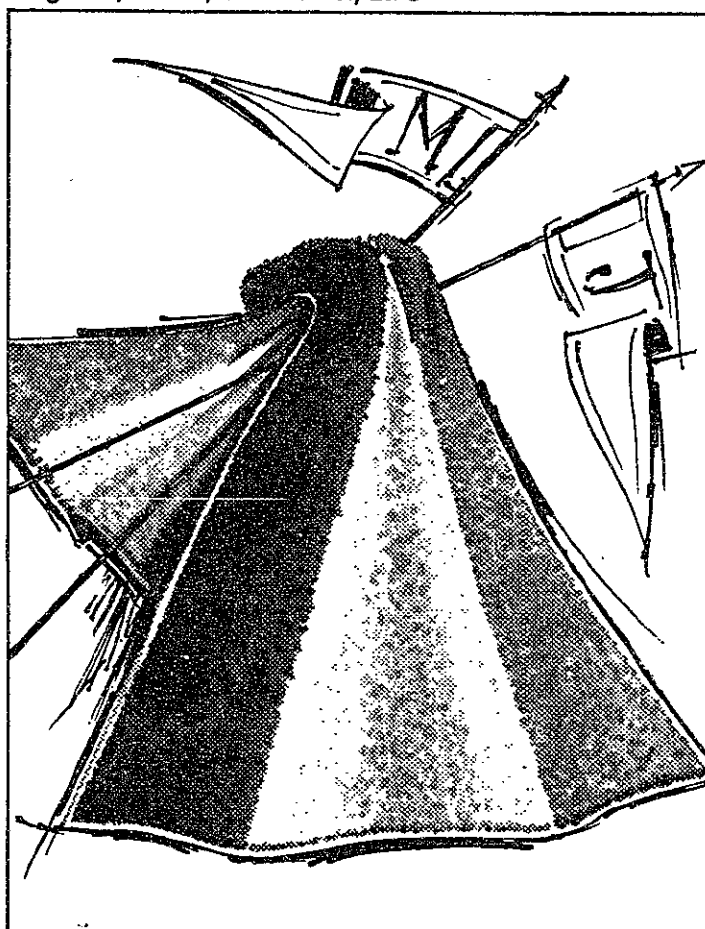
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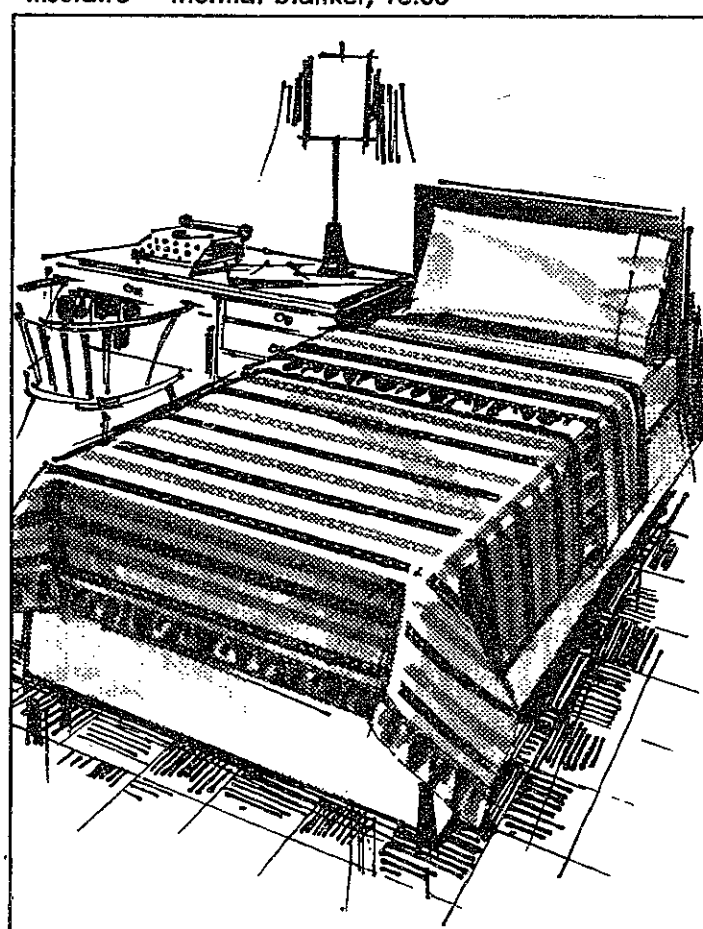
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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

## To Freshmen

Once again, the Editor of The Tech has the opportunity to welcome the Freshman Class. About half of the class is fairly well acquainted with the campus and the various living groups through the efforts of the fraternities during rush week. The remainder faces the problem of orientation during the four short days of Freshman Weekend. As most upper-classmen are well aware, this is an impossible task.

Perhaps the best advice that can be offered to the new student is to make sure that his feet are on the ground before he jumps off into the wilderness of MIT. There is adequate opportunity and challenge for everyone—attempts to hurriedly taste a little of everything are foolish. The faculty is very capable of requiring your attention to classes, research, and studies for the major portion of the 24 hour day. Still, many students feel that there is more to MIT life than just studying.

At present, about 80 undergraduate activities and organizations are active within the MIT community. Since most of these groups are run by and serve the

## Letters to the Editor

The Tech welcomes letters to the editor. Letters of interest or benefit to the MIT community will be printed in full or in part, space permitting.

Letters should be limited to 300 words, type-written and double spaced. Brevity increases the chance of publication. All letters must be signed, but we will withhold names upon request of the author.

Letters may be addressed as follows: Editor, The Tech, 211 Walker Memorial, 142 Memorial Drive, Cambridge, Massachusetts 02139.

interests of students there is no lack of opportunity for the new student on campus.

Newer than the activities, the Technology Student Enterprises, Inc. was organized last year to guide and house the student entrepreneur. TSE, Inc. is still young and expanding. There will definitely be a demand for the student interested in operating his own or in working for a student business organization.

The student government is quite a large and vigorous organization at MIT. The Freshman Council is the governing body of the Freshman Class. Many of the subcommittees of the Institute Committee have limited openings available for freshman participation.

Athletics are not pushed off to the side at MIT. Currently, the school competes in 28 different inter-collegiate sports. The intramural program is even larger and allows all to participate.

While there are many activities, sports, and other outlets for excess time, a word of warning might be in order. In most cases, it will be left to the new member to prove himself capable of the responsibility required in his position. It has long been an MIT policy to allow students virtually complete freedom in the organization and operation of student affairs.

For instance, athletic managers are responsible for an athletic budget of \$60,000 which must serve the needs of our 28 inter-collegiate teams. The responsibility and trust placed in the students is a valuable experience not to be taken lightly.

A word of academic nature might be in order. Many of you have probably heard that "Tech is Hell." There is no doubt that the work demands time and energy. However, your very presence in the Class of 1968 certifies that in the best evaluations of practiced admissions personnel, you are intellectually and physically capable of meeting these academic challenges. The years of work towards a bachelor's or advanced degree are not a free ride to good positions in industry, government and the academic profession. It is not the parchment, but the preparation that qualifies an MIT graduate for these positions.

## The Second Century

Physical results of the Second Century Fund have become distinctly apparent in recent months. The physical facilities for the interdisciplinary centers are rapidly approaching reality. New and expanded facilities for the student are in the near future.

Tuesday, classes will meet for the first time in the recently completed Green Center for Earth Sciences. The dedication of this landmark at MIT is scheduled for October 2 to close the International Conference on the Earth Sciences.

Within a year, the Student Center should be ready to serve the needs of the student body. The Student Center will realize some of the plans that have been under discussion for more than ten years.

The Green Center and the Student Center are just two examples that illustrate the Second Century Plan: "By realizing the Institute's full potential, by moving from strength to greater strength, MIT will meet the obligation to lead in the future as it has in the past."

The potential is being realized.

## Inside Incomm

### Student government changes to be considered this Fall

By Bill Samuels, UAP

Bill Samuels '65 is Undergraduate Association President. As UAP, he is the head of undergraduate student government and the Institute Committee (Incomm).

Editor

Another year is about to start. It will be an exciting and an immensely worthwhile year for those of you that make an effort to take advantage of the diverse opportunities that MIT and its environment offer.

If you are a freshman, you will be a "mature" senior before you know what happened. You must become active now! Activities at MIT are not only great fun, but can be a valuable educational experience. There is something for everybody. You must take the initiative.

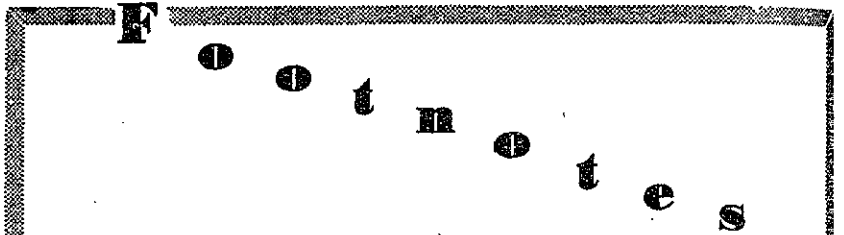
I especially encourage you to take an active interest in student government. MIT gives its stu-

dents an exceptional amount of freedom to run activities. We accept this responsibility. Student government is important at MIT and consequently it is interesting.

We have two important projects being worked on right now. First of all, we plan to run a straw vote for the presidential election. Along with this, we are in the process of trying to get political speakers to appear at MIT. Announcements on this are expected soon.

The second project and the most important in the long run has to do with the reorganization of student government. This has been necessitated by the moving of activities to the Student Center next year. A summer committee has drawn up tentative changes that will be released for discussion soon. Major changes in the Activities Council and for Class Officers have been suggested for example.

During the year major student government projects and those of various subcommittees will be reported in this column weekly. We hope that you take an interest in these projects.



By Bill Judnick

The news editor of any paper gets to see and hear a lot of things that never make print. And the public never knows.

What kind of "things"?

Well, some of the most interesting potential reading simply involves rumors.

Being a supposed fountain of knowledge on current events, the news editor gets a surprising number of questions from the very people he is trying to seek information from.

"By the way, do you know anything about this rumor I've heard?" they'll ask.

I suppose there's nothing so worthless as an unconfirmed set of rumors. Yet it is my belief that there is nothing so fascinating or potentially valuable to the average reader. What if it were true that . . . ? A lot of people would like to know.

You read a newspaper and 90% or better of the contents will tell you what has happened. And once it's all over with the chances are that someone has missed a golden opportunity, or delayed an important decision unwittingly.

What is a newspaper to do though? A good bit of their raison d'être is news, not forecasts. And if they even pretend

to objectivity — an ideal for journalists — they're just not going to tell you what they suspect is in the making.

When someone tells you what is going to happen, he is—logically speaking — merely giving you the benefit of his opinion, and nothing else. Is it worth anything? You've got nothing to go on but his accuracy in the past.

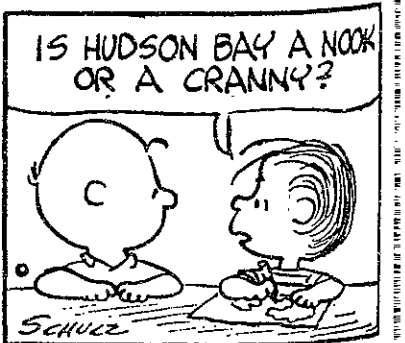
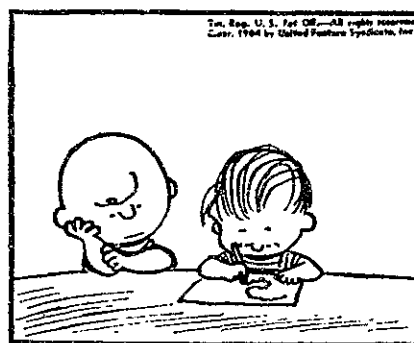
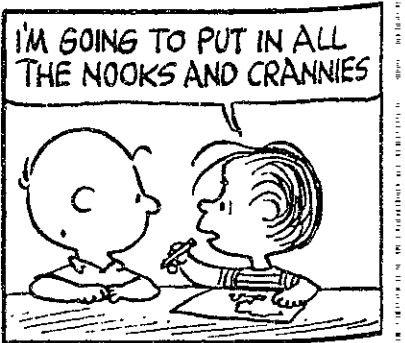
The discussion above forms the credo of this column. I've been at this for a semester now, and pause before the regulars get back to let the freshmen in on it.

A regular column will consist in a large part of short, numbered paragraphs (hence 'Fool notes') containing my predictions about how unwritten headlines will read.

What starts as a rumor ends up here only when there has been, to my mind, some partial substantiation. The confirmed rumor is elsewhere, forming the nucleus of an article or two of page one.

Are they worth anything? I hope so.

And by all means, if a rumor has you puzzled, ask someone — preferably me. I'll take it from there.



PEANUTS appears daily and Sunday in the Boston Herald.



## Study and research in Soviet Union on agenda of Prof. Alan Barrett

Dr. Alan H. Barrett, Associate Professor of Electrical Engineering at the Massachusetts Institute of Technology and a specialist in radio astronomy at MIT's Research Laboratory of Electronics, will spend three months this Fall studying and doing research in the Soviet Union.

Professor Barrett, who helped design the microwave radiometer experiment that made Venus temperature measurements from aboard the U.S. Mariner II space probe, will go to the U.S.S.R. under terms of a new two-year agreement between the Soviet Academy of Sciences and the U.S. National Academy of Sciences for exchange of scientific visits.

That agreement, in one of its sections, provides for up to 25 scientists from each country to spend three months or more studying and conducting research at scientific centers in the other country.

## Commons up too

# All food prices rise over summer

By Susan Strandberg

East campus students eating in Walker and Graduate House will pay a five to 15 per cent increase in most a la carte prices this fall. One of the few items that survived the price hike is the 99c special served for dinner at Graduate House.

"We lose money on the 99c special," said Laurence H. Bishoff, assistant to the Vice President of Personnel and Operations, in charge of dining service and housing. "But, there was so much sentiment in its favor, we had to reinstate it after it had been eliminated when the new prices went in July 6. We did reduce the quantity and variety of the special, however. A few other prices were unaffected by the general rise, such as juice, but most prices did go up."

The 1300 West Campus students in Burton and Baker must pay \$2.50 more this fall for 15 meals a week, as was announced last January. Women, who first went on a 20-meal contract last year when they were moved to McCormick, will pay 50 dollars more this year for the lump sum of room and board.

Board prices increased this fall by a greater percentage than food for all students. "It was unfortunate that both prices were raised at the same time," said Bishoff. "It was my understanding that it was the rental structure that affected the rise in women's living costs, and not the dining service."

The decision to raise dining service prices was made last winter by Jay Marden, former assistant to the Vice President of Operations and Personnel, and Robert Wheeler, director of dining service for Stouffer at the Institute, because the operation was running at a loss.

**Operating in red**  
Dining services have been operating in the red for the last three years. The deficit for the fiscal year ending July 1964 was \$10,942.41.

"The dining service runs on a no profit, no loss basis," said Bishoff. "Our plan is to operate on a three year cycle to keep up with the rising costs of housing and dining service. The first year we expect to make money, the second year to break even, the third year to have a loss; then raise prices and begin the cycle again."

The last rise in prices was in 1957 when only the 15-meal contract price for West Campus students was increased. In the following three years, MIT made \$24,800 on the dining operation, which more than covered the deficit for 1961-62 and 1962-63.

In the fall of 1962 there was an adjustment of a la carte

## Deficit was reason

prices. Prices were raised and lowered to conform better with prices charged by commercial diners neighboring MIT. In this adjustment the quantity of food was limited in some cases, and the price of dinner entrees was increased by 5c.

### Stouffer has contract

The dining service has been administered by Management Food Services, a division of Stouffer Foods Corp., since 1955. MIT contracts with unionized labor, and pays Stouffer a flat fee for planning and supervising the operation, plus a percentage of the gross business done annually.

Though the dining operation does not have to pay taxes, the high cost of MIT union labor, amounting to 35 per cent of costs, justifies the fact that the Institute charges commercial prices, according to Bishoff.

MIT is currently negotiating with the union for a new contract, since the old one expired last June. The Institute's offer will not come to a vote until school is in full swing and the whole working force has returned. By agreement with the union, students working for dining service are not paid union wages but student wages.

"In my opinion, the dining service compares reasonably with other low-priced eating places around this area," said Bishoff. "Of course, we have much different methods of preparation, and problems of labor."

Bishoff worked this summer to compare MIT's prices with other dining places around Central and Kendall Squares. This fall he will compare the operation with those of other universities, looking for ways to cut costs and improve service.

### Typical prices

Typical price rises included pie from 20 to 25 cents, and vegetables from 15 to 20 cents. Most desserts rose a nickel, most main dishes either 5 or 10 cents.

Several items were first upped in price, then returned to their former costs. These included juice, iced tea and lemonade.

Specials were also changed. The 99c special was eliminated entirely at noon, and the selection of main dishes for it at dinner was cut down. Also instituted was a new dinner special, consisting of appetizer, salad, main dish, dessert, beverage and bread, which sells for the cost of the main dish plus 55 cents.

**Tuesday**  
**Sept. 22, 1964**  
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**Room 50-211**

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Panels, 6 Wood Bases.  
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## Boston entertainment series opens; Prompt ticket purchase advised

Boston offers a wide variety of entertainment, from opera to folk-singing and from pre-Broadway musicals to cellar productions. Now is the time to make reservations for many of these attractions; incoming college students will have bought most of the available tickets within the next month.

Music is one of the most popular forms of entertainment in Boston, and the Boston Symphony, one of the finest in the world, is the most sought after of musical attractions. The Friday and Saturday series are long since sold out; an occasional ticket may be obtained at TCA. Still available are the two Tuesday series and the new three-concert Wednesday series. The eight-concert Open Rehearsal series on Thursday evenings is still the

best suited to students' budgets at \$15 for the season. This series goes on sale Monday and is usually very rapidly sold out.

Another top musical opportunity is the BU Celebrity series, which offers its patrons a choice of 7 out of 26 of the top soloists, touring orchestras and ensembles. Season tickets range from \$18 to \$28.

The MIT Humanities Series offers five concerts on Sunday afternoons this season, all in Kresge Auditorium. Series tickets are available at the box office for \$10. This year's program will feature the Julliard, Borodin and Vegh String Quartets, soprano Phyllis Curtin, and the Contemporary Chamber Ensemble.

Boston's resident theater groups also offer season rates. Outstanding among these is the Charles Playhouse, whose repertoire this season will include plays by Eugene O'Neill, Jean Giraudoux and Richard Brinsley Sheridan. Series rates range from \$7.70 to \$19.75 for five plays. Tickets at the Hotel Bostonian Playhouse and the Image Theatre are generally readily available.

Tickets for the pre-Broadway shows at the Wilbur, Shubert and Colonial Theatres are best ordered a week or two in advance. Season tickets are not available; special theater party arrangements may be made in advance through the box offices.

Tickets for all events at MIT and in the Boston area can be obtained through the TCA ticket service in Walker Memorial. This includes single tickets from series holders who are unable to attend. Advance notice is recommended.

## movies...

### 'Shot' bad copy of 'Pink Panther'

By Richard C. Art, Jr.

'A Shot in the Dark,' at the Music Hall Theatre, will disappoint those who have seen previous efforts by Peter Sellers, in particular 'The Pink Panther,' where he played the same part—Inspector Clouseau of the Surette. The picture begins as if it were the typical bedroom farce laced with murder, but a quick succession of ridiculous fumbblings by Sellers reduces what might be considered a parody of 'Panther' to a farce of a farce.

Although he is supposed to be a bumbler, Sellers is required to act as if he were spastic rather than clumsy. The fine 'straight' acting of George Saunders as the millionaire owner of the mansion where the whole mess begins is not enough to prevent the feeling

A SHOT IN THE DARK, a Blake Edwards production, starring Peter Sellers, Elke Sommers, George Saunders, and Herbert Lom; directed by Blake Edwards. At the Boston Music Hall.

that burlesque has replaced the subtle as far as this picture is concerned. The introduction of Elke Sommers as the suspected murderess is scenic to be sure, but her addition to what comedy there is, is negligible.

Miss Sommers is often mentioned as the new sex-kitten of Europe and the rather simple lines she has exhibit talent typical of sex-kittens in the past. Her best performance occurs when she screams when she and Sellers are caught in a traffic jam, stark naked because they have escaped from the Sunnydale Nudist Camp without their clothes.

The globe spinning incident from Panther is repeated for the benefit of 'Panther' audiences, but the sequences are so obvious that they lack even the normal unexpectedness of fine slapstick. The suspense is pallid; and when eight bodies have made the stage look about twice as bloody as the last acts of Macbeth and Hamlet combined, the addition of six more at the end is more like Waterloo.

Technically there can be no complaint about 'Shot'; and the American version of the nudist camp scenes is tastefully done and includes the funniest of the scenes as Sellers and Sommers, without clothes, pull up to a stop light next to a bus. But Shelly Berman explored the concept with his cigarette routine years ago. The titles are perhaps the most enjoyable part of the movie and are worth the price of admission.

If you haven't seen 'Panther' and can stand the obviousness of the script the picture is worth seeing, but it is not up to Sellers' normal performance. The failing lies more with the script than with the actors.

## Glee Club to start season's rehearsals

The MIT Glee Club will start rehearsals for the coming concert season on Tuesday, Sept. 22, at 5:00 pm in Rehearsal Room A, Kresge Auditorium. Auditions for new members will be held during this and subsequent rehearsals at the same time Wednesday and Thursday.

The Glee Club, which has a membership of about 60 men, sings both four-part male harmony and mixed choral works in collaboration with girls' schools. Last year's concerts included two with Smith College and one each with Wellesley, Wheelock and Colby Junior. Works performed included 'The Messiah,' Stravinsky's 'Mass,' and Purcell's 'The

Fairie Queen.'

The coming year will feature four exchange concerts with Douglas College and Vassar. Two concerts will be performed with each school, one on the girls' campus and one at MIT. Several informal sight-reading sessions are held each year; this year sessions are planned with Wheelock, Simmons and Radcliffe. Extra attractions of the Glee Club season include coffee and doughnuts at rehearsals and parties with collaborating girls' schools.

Information about the Glee Club can be obtained from president Phil Smith, ext. 3265, or vice-president Bill Bohlke, ext. 3282.



A U.S. co-ed serves ice cream in Europe

## PAYING JOBS IN EUROPE

Grand Duchy of Luxembourg Sept. 9—Students are urged to apply early for summer jobs in Europe. Thousands of jobs (of fice, resort, factory, farm, etc.) are available. Wages range to \$400 monthly and the American Student Information Service awards travel grants to registered students. Those interested should send \$2 to Dept. T, ASIS, 22 Ave. de la Liberte, Luxembourg City, Grand Duchy of Luxembourg and request the ASIS 36-page booklet listing and describing every available job, and a travel grant and job application.

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27	28	29				

### MUSIC

Garden Museum — Saturday, Sept. 19, 3:00 p.m., Deborah Moriarty, pianist; program: Mozart, Sonata, G major, K. 283; Debussy, Two Arabesques; Chopin, Waltz, E minor. Sunday, Sept. 20, 3:00 p.m., Richard Goode, Pianist; program: Bach, from The Well-Tempered Clavier, Book II, Preludes and Fugues in D major and G minor; Beethoven, Sonata, Op. 31, No. 3; Brahms, seven fantasies, Op. 116. Admission free.

### THEATRE

Schubert's — 'Ben Franklin in Paris,' a new musical starring Robert Preston. Tickets from \$2.75 to \$7.50.  
Colonial — Through Saturday, 'Beekman Place,' a new comedy starring Fernand Gravet, Arlene Francis, and Leona Dana; tickets \$2.75 to \$7.50. Opening Monday, 'Barefoot in the Park,' Broadway hit starring Myrna Loy, prices as above.  
Kresge Auditorium — 'A Thourber Carnival,' performances tonight and tomorrow at 8:30 p.m., reserved tickets \$1.50 at the Box Office and in the lobby of Building 10.

### MISCELLANEOUS

Museum of Fine Arts — Through Nov. 1, New Acquisitions from the Department of Asiatic Art; also continuing, special exhibitions in the department of prints and drawings.  
Museum of Science — 'Backyard Astronomy' at the Planetarium, through Oct. 4; museum admission \$1.00, planetarium admission 50¢ plus museum admission.  
Boston Public Library — Current Central Library Exhibits include the

Nathaniel Hawthorne Centennial, the Age of Napoleon, Paris, and the Presidency. Admission Free.

Institute of Contemporary Art — 'Communication by Design,' 400 works by four Boston area designers; the exhibit is focused on the commercial production of design for business and industrial companies. One of the designers, Muriel Cooper, was the first designer on the staff of the MIT press.

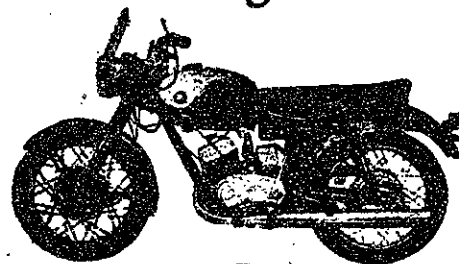
Hayden Gallery — 60 prints by Maurits Escher, through October 5, admission free.

Boston Symphony Orchestra — First concert of the new season, conducted by Erich Leinsdorf; Shostakovich, Symphony No. 1; Beethoven, Symphony No. 6; Brahms, Academic Festival Overture. Fri. at 2, Sat. at 8:30.

**Tuesday**  
**Sept. 22, 1964**  
**7:30 pm**  
**Room 50-211**

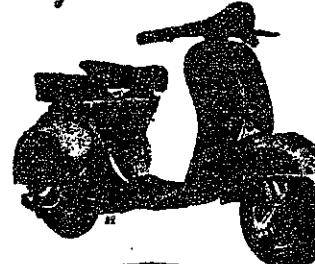
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## movies...

## Hitchcock returns to fine suspense with 'Marnie'

By Mona Dickson

Cage the seagulls and store the mummies, Alfred Hitchcock is doing suspense films again. *Marnie*, starring Sean Connery and Tippi Hedren, follows gloriously in the footsteps of *Vertigo*.

No one can create empathy better than Hitchcock. This story of a neurotic woman follows her moods, her actions. Any other personality is secondary. But when Hedren and Connery are working together a small problem arises.

She is not a wonderful actress, competent, but not powerful. Connery, on the other hand, has a personality that makes even the inane Mr. Bond come alive. It is Hitchcock's directing that balances the two personalities. The camera focuses on Marnie and seldom leaves her. Everything revolves around her; other people show their character through reaction to her. Surprisingly, she seldom seems to be merely well directed, a true direction victory. Marnie is confused, to put it

mildly. She has the habit of assuming names and hair colors, getting jobs as a bookkeeper in small companies, and running off with the company funds. Occasionally she returns to her real self and visits her crippled mother or goes riding on her thoroughbred.

Her habits eventually land her in custody, Connery's, that is. As Mark, president of a Philadelphia firm, he catches her in the act and marries her, hoping to reform her. No man ever took on

so impossible a task so unknowingly. Besides being a compulsive liar and thief, she hates men with a frigid passion.

In the best Freudian tradition, Mark tries to learn why Marnie is afraid of lightning, starts gibbering at the sight of red, and other little idiosyncrasies. Here the plot gives Hitchcock the perfect vehicle for suspense. A mad-deningly slow revelation of her problem confused by products of it, further confused by background inconsistencies, unannounced flashbacks, and color — negative — color flashes, dizzying camera angles, and Hitchcock himself appearing through a hotel door (he always gets himself into the picture somewhere) falls together so beautifully it has to be seen to be enjoyed. *'Marnie'* is at the Keith Memorial; it would be worth going to see if it were showing only in Outer Mongolia.

## 'On My Knees' shows poetic feeling, lack of practice

By Mona Dickson

The Larry Stark Press has celebrated the beginning of classes with a new publication, its second. *'On My Knees,'* a collection of poems by Judith Namias, is available at the Paperback Booksmith at Harvard Square for fifteen cents.

Larry specializes in publishing works by local unknowns. Namias is a sophomore at Radcliffe who has been "writing poetry on and off for about three years." Hopefully she will continue writing. Her poems show perception, though they lack polish.

An awareness of nature coupled with an odd way of looking at

things produces some interesting images in her poetry. She wants to "light a morning-glory's wick" and "get down on (her) knees to see a dandelion's dawn."

Unfortunately, the soul of a poet is useless if it cannot be properly expressed. Depth of perception can be ruined by overuse. Line after line of similes in random order detract from the basic idea of a poem. If the lines are descriptive, they still need logical order. In *'Reflection'* a voice is described in terms of meadows, mountain tops, autumn leaves, rivers, seas, echoes, and a falling stream. Such linear altitude hopping becomes tiring.

Often these similes are worthy of poems to better express them. "How may I express the bearded bark of a tree" deserves a better place than between wet grass and a mushroom's top.

When she sticks religiously to one theme and uses images directly related to that basic idea, the result is moving. *'Waiting'* is a perfect example. A woman's last seconds are minutely described, and the result is morbidly beautiful.

Then there is the problem of all poets who dislike the confines of rhyme and rhythm patterns—does dividing a prose paragraph into lines of short phrases produce a poem? Usually not, es-

pecially when the lines are one and two words long. A poem should have enough rhythm to flow when read aloud. "Conversation with a six-year-old butterfly chaser" is the most natural of Namias' short-lined poems; but then, it is a conversation, with the lines ending where voice pauses naturally would.

*'On My Knees'* is a well-compiled collection of poems, with many emotions, and all degrees of effectiveness, thoughts are there, somewhere. Undeveloped, ill-expressed, they still show talent. Three years do not give a writer enough practice. In ten years, if she continues her writing, a book by Judith Namias may well be worth the price.

## 'Doc' Edgerton hunts for fortune

Reports from the Scottish Inner Hebrides indicate that vacationing Professor Harold Edgerton has spent some time offshore sonar hunting for a lost Spanish galleon that was the payship for Spanish Armada.

The 11th Duke of Argyll there has invested in the search, fruitless thus far. The wreck lies, supposedly, in about 100 feet of water in Tobermory Bay.

## Movie Schedule

Friday, September 18, through Tuesday, September 22. (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 p.m.).

ASTOR — *'Night of the Iguana,'* 10:00, 12:20, 2:35, 4:50, 7:20, 9:45; Sun. 1:00, 3:05, 5:10, 7:15, 9:30.

BEACON HILL — *'A House Is Not a Home,'* 10:20, 12:15, 2:10, 4:05, 6:00, 8:00, 9:55; Sun. 1:00, 2:45, 4:30, 6:15, 8:10, 10:05.

BOSTON CINERAMA — *'Circus World,'* eves. at 8:30, mats. Wed. at 2:00, Sat. and Sun. at 2:00 and 5:15.

BRAITLE — Friday-Saturday, *'The Connection,'* 7:30, 9:30; Sunday-Monday, *'Mayerling,'* 5:30, 7:30, 9:30; Tuesday-Wednesday, *'The Trial,'* 5:30, 7:30, 9:30.

CAPRI — *'Lorna,'* 10:50, 12:40, 2:30, 4:20, 6:10, 8:00, 9:50; Sun. 1:50, 3:40, 5:30, 7:20, 9:10.

CINEMA KENMORE SQUARE — *'Seduced and Abandoned,'* 1:30, 3:35, 5:40, 7:45, 9:55.

ESQUIRE — *'Tom Jones,'* weekdays at 7:00 and 9:20; Sat. and Sun. at 2:15, 4:30, 6:50, and 9:15.

EXETER — *'Mafioso,'* continuous from 2:00 to 11:00, no exact times available.

GARY — *'Behold a Pale Horse,'* 10:00, 12:21, 2:42, 5:03, 7:25, 9:46; Sun. 5:11, 7:24, 9:37.

HARVARD SQUARE — *'The Unsinkable Molly Brown,'* 2:15, 4:45, 7:15, 9:30; Wednesday and Thursday, Burton in *'Hamlet'* via Electronovision. Tickets now on sale.

KEITH MEMORIAL — *'I'd Rather Be Rich,'* Mon.-Thurs. 9:30, 12:35, 3:42, 6:48, 9:54; Fri.-Sat. 9:28, 12:36, 3:44, 6:52, 10:00.

LOEW'S ORPHEUM — *'Of Human Bondage,'* 10:30, 12:20, 2:10, 4:05, 5:55, 7:50, 9:55; Sun. 1:45, 3:35, 5:30, 7:25, 9:20.

MUSIC HALL — *'A Shot in the Dark,'* 10:15, 12:30, 2:45, 5:00, 7:20, 9:45; Sun. 1:00, 2:30, 5:20, 9:45.

PARAMOUNT — *'Honeymoon Hotel,'* 9:30, 11:00, 2:00, 5:00, 8:00; Sun. 1:00, 2:30, 5:22, 8:14.

PARK SQUARE CINEMA — *'Seduced and Abandoned,'* 1:30, 3:35, 5:40, 7:45, 9:55.

SAKON — *'Becket,'* 2:00, 8:30; Sun. 2:00, 5:00, 8:30.

UPTOWN — *'McHale's Navy,'* 11:00, 2:30, 6:10, 9:50; Sun. 2:55, 6:30, 10:00. *'Dr. No,'* 12:30, 4:10, 7:50; Sun. 1:00, 4:30, 8:05.

WEST END CINEMA — *'Firefly,'* 1:00, 5:00, 9:00; Sun. 1:25, 5:20, 9:20. *'Bittersweet,'* 11:20, 3:20, 7:20; Sun. 3:35, 7:40.

THEATRE COLONIAL — through Sat., *'Beckman Place,'* eves. 8:30, Sat. mat. 2:30. Opening Mon., 8:00, *'Barfoot in the Park,'* Tues. eve at 8:30. SHUBERT — *'Ben Franklin in Paris,'* eves. except Sun. at 8:30, mats. Sat. 2:30, Tues. 2:15.

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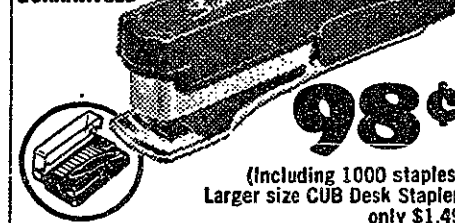
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## Fuel now possible

### Ozone can be stored

An unexpected discovery in the course of basic research at MIT may make a powerful new fuel additive available for rocket propulsion.

A possible means of controlling and storing ozone—normally a highly explosive and dangerous substance—has been found by Professor Lawrence J. Heidt, of the Department of Chemistry, and his pre-doctoral thesis student, Vincent R. Landi.

If this finding proves out in practice, high-energy ozone could be substituted for oxygen in rocket fuels. Calculations indicate that the use of ozone instead of oxygen would provide a 20 per cent boost in energy over that of the recently developed hydrogen-oxygen fuel without any increase in weight.

The conclusions of their research, which grew out of studies

on ways to utilize sunlight, were published in the July 1964 issue of "The Journal of Chemical Physics" of the American Institute of Physics.

Ozone is familiar as the diffuse and harmless gas that causes a pungent odor often noticed in the vicinity of electrical machines and after lightning flashes.

A sort of "super oxygen," the unstable ozone molecule is made up of three atoms of oxygen—as compared to two atoms in a molecule of oxygen gas—and contains extra energy that is easily released. At about 201 degrees below zero Fahrenheit, ozone becomes a dark blue liquid, which is easily exploded—as are ozone-oxygen mixtures containing more than 30 per cent ozone.

### Computer program copyrighted

An MIT graduate has secured the right to copyright computer programs. In his first request to the U. S. Copyright Office, John F. Banzhaf, 3rd '62 attempted to copyright programs for a legal study. The first application was rejected.

Banzhaf, currently a law stu-

dent at Columbia University, cited many cases in support of his position. His application was later granted. The Copyright Office has credited Banzhaf with being very helpful in the new change of policy.

Now computer programs representing a significant contribution to the computer field may be leased and rented under the protection of the U. S. Copyright Law.

### Interviews this week for library staff

Freshman and upperclassmen students interested in positions on the MIT Library staff for the coming year will be interviewed on registration day, Monday, September 21, in Room 14SM-52, on the Science Library Mezzanine, east end.

The interviewing hours will be 10:00-12:30 and 1:00-5:00. Inquiries may be made by calling extension 5694.

### Inscomm accountant died of heart attack in June

Paul Bishop, accountant for Inscomm, was found dead of a heart attack July 11.

Bishop had been in apparent good health, and had an appointment with Dean Wadleigh the next day. He was found in his apartment, in which he lived alone.

No replacement has yet been found for Mr. Bishop. Jim Taylor '65, chairman of Finance Board, will temporarily assume Bishop's duties.

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## Campus Patrol gets 'Pinafore' planned as next production for G & S Society

Two new emergency cruisers were acquired by the Campus Patrol this summer. They are heavy-duty station wagon-type ambulances, equipped with resuscitators, stretchers and other first aid equipment.

Twenty-seven men on the force have taken required emergency first aid training and are taking the advanced instructors course under the direction of Lt. James Olivieri and Sgts. Richard Driscoll and Leo Balzano, who are qualified advanced Red Cross instructors.

### CLASSIFIED ADS

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The Gilbert and Sullivan Society, which is now starting its second season, will hold its first meeting on Thursday, September 24, at 7:30 pm. The meeting will be in the Bush Room (10-105).

Everyone interested in participating, whether as a performer or technical assistant, is invited. An audition schedule, to be set up at the organizational meeting, will be posted in Kresge Auditorium.

The Society this fall will present the operetta 'Pinafore.' This production will take place in Kresge.

The spring production of the Society will take place in the courtyard of Hayden Library. It has not yet been chosen.

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## Hours of MIT libraries

	M-F	Sat.	Sun.
Aeronautics & Astronautics	9-6	9-1	—
Archives	9-5	—	—
Dewey	9-11	9-5	2-11
Engineering	9-10	9-6	1-6
Humanities	8-10:45	8-9	1-10:45
Lindgren	8-11	8-6	6-11
Music	9-10:45	9-6	1-9
Reserve Book Room	8-1am	8-10:45	10-1am
(Except Friday close at 10:45)			
Rotch	9-10	9-5	5-10
Science	8-10:45	8-9	1-10:45

All libraries are closed on Labor Day, Thanksgiving, Christmas, New Year's, and the Fourth of July.

See posted schedules for hours during vacations, between-term periods, and the following holidays: October 12 (Columbus Day), November 11 (Veterans' Day), February 22 (Washington's Birthday), April 19 (Patriot's Day), and May 30 (Memorial Day).

## Stratton returns from Columbia

President Julius A. Stratton has recently returned to MIT after spending ten days in Bogota, Columbia. As a trustee of the Ford Foundation, he conferred with officials of universities and other institutions regarding various educational and research programs.

Dr. Stratton, accompanied by his wife and one of his three daughters, met with MIT Alumni and spoke at a dinner given by the MIT Club of Columbia.

## History of Art subjects offered for this term

Subjects covering the history and appreciation of modern art will be available this Fall. The subjects, offered by the Department of Architecture, do not have prerequisites and are open to all students, including freshmen.

The subjects offered include 4.601 Introduction to the Visual Arts I and 4.605 Post Impressionism to Cubism: Cezanne, Van Gogh, Seurat, and early Picasso. Both courses will be taught by Prof. Wayne V. Andersen. Prof. Andersen can be reached for further information in Room 7-308 or MIT extension 2402.

The department is also offering a freshman seminar, Contemporary Art and Architecture, which will include field trips in the Boston area.

## Professor from Yale to give two courses in Humanities Dept.

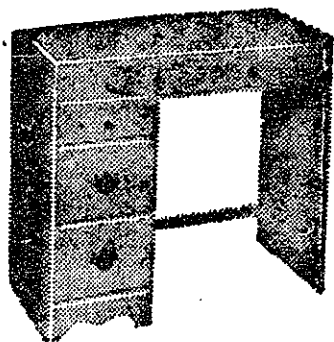
The first courses in anthropology at the Institute will be taught this fall by Dr. Sidney W. Mintz, who has been appointed Visiting Professor of Humanities for the fall term. He is coming from his post as chairman of the Department of Anthropology at Yale University.

Professor Mintz will teach two courses: 21.517, The Cultures of the Non-Western World, and, 21.519, The Cultures and Societies of the Caribbean. His research into village market economies has taken him on seven field trips to Jamaica, Puerto Rico and Haiti. He is the author of many articles and a book, "Worker in the Cane: A Puerto Rican Life History," published in 1960.

Professor Mintz, 42, was graduated from Brooklyn College in psychology in 1943 and received the Ph.D. degree from Columbia University in anthropology in 1951. He has been on the faculty at Yale since that time.

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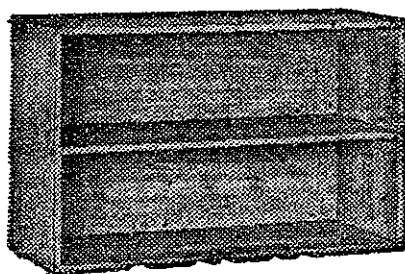
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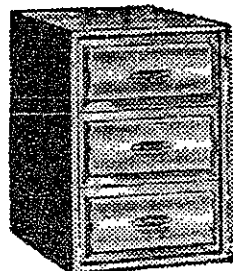
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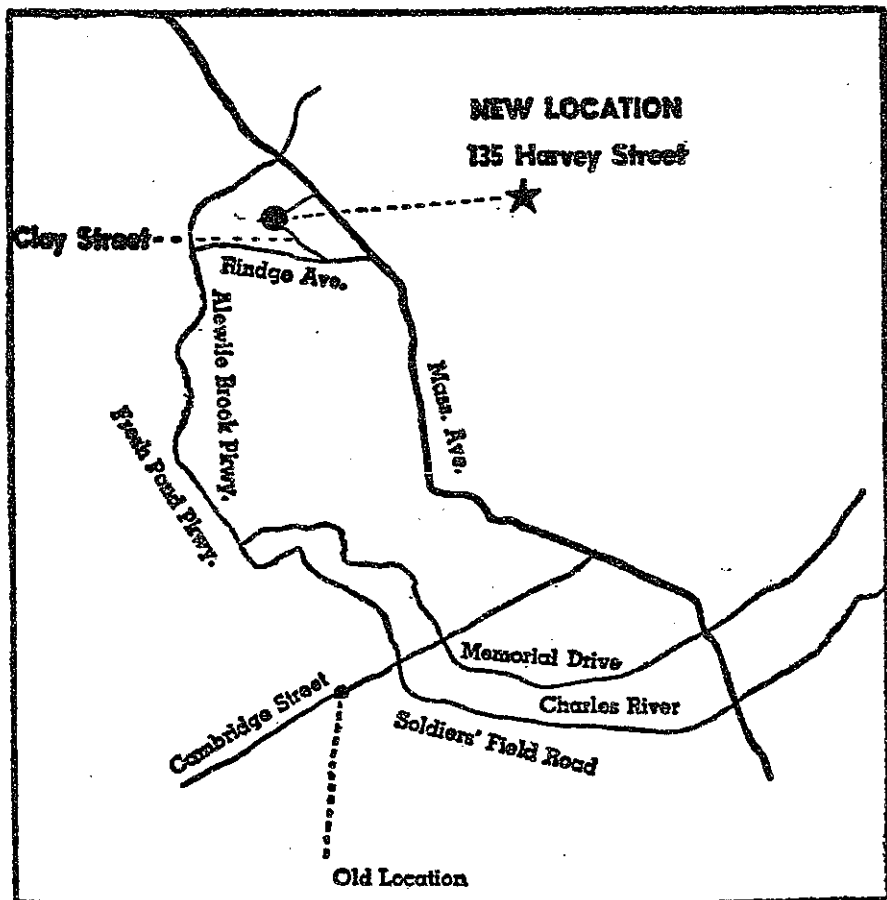
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# Sailing squad third in continent

The MIT sailing team, under the direction of former World Star Class champion Joe Duplin, carried off third place honors at the North American Dinghy Championships held in Vancouver, British Columbia, at the University of British Columbia last June 19-21. Terry Cronburg '66 took third in the North American Monotype Championships and second in the North American Firefly Championships.

## Light winds costly

The Tech four-man finished only fifty points out of first place behind the University of British Columbia and San Diego State College. The team didn't count on having the light winds that greeted them in the earlier races and were, as a consequence, caught carrying too much weight. As winds began to pick up later, however, the Tech boats were unbeatable. Cronburg skippered in the A division with Joe Smullin '66 acting as crew. Together they scored 234 points, giving intercollegiate sailing powers plenty to worry about for the next two years. The B division sailing was handled by Don Schwanz '66 as skipper and Dave Schlosberg '64 as crew. They combined for a 211 point total.

The overall order of finish is as follows:

- 1—Br. Columbia ..... 505
- 2—San Diego S.C. .... 467
- 3—MIT ..... 445
- 4—Washington ..... 435
- 5—Harvard ..... 388

## Cronburg third

Terry Cronburg, the Engineers' number one skipper last season, came up with an outstanding third place finish in the North American Monotype Championships. Terry's New England rival Steve Martin of the Coast Guard Academy took first place, with Terry Anderleni from Tulane finishing a close second. Cronburg's finish was very close to first place, since he ended up a scant ten points out of first.

The top three finishers from the Monotype Championships qualified for the O'Dea Trophy section of the North American Men's Singles Championships. Cronburg finished fourteenth against the top men sailors in North America. The trophy for first was taken by Robert Andrae of California.

## Team takes second

At the North American Firefly Championships held last weekend at Rockport, Massachusetts, Cronburg and Don Schwanz '66 came up with a very close second place finish out of a field of thirty-five top sailors. This meet was a new challenge for the team since they

had done most of their competition sailing in one-sailed dinghies and now had to switch to the two-sailed fireflies.

If the prospects for last season looked good, the outlook for this coming fall season looks nothing but great. All the skippers from last spring's championship squad are back, and the team has lost only one crewman, Dave Schlosberg, via the graduation route. This team won every regatta it entered last spring with the single exception of the North American Championships and actually they thought they would do much better than their third place finish at Vancouver.

## Competition keen

But none of the present varsity sailors can be assured of their positions. The freshmen squad also had a very good season last spring, including a first place in the New England Freshman Championships. Also, Chet Osborn '67 won the undergraduate sailing championship with all varsity members except Cronburg and Don Schwanz '66 participating. There are four or five of those freshmen who will now put up a strong fight for varsity positions.

Almost the entire team has been sailing most of the summer, so that they are right now almost ready for the fall season. Their first competition of the fall season is slated for this Saturday when they represent the New Eng-

land colleges in competition against Middle Atlantic colleges. They will be competing, along with teams from Harvard, Coast Guard and the University of Rhode Island, in 30-foot Shield's sloops, a four man boat at King's Point, New York.

## Women's sailing

This year the women's team will be better organized after last year's inauguration. Hopefully, more women's meets will be scheduled; they do not compete with men. The coaches are pleased at the progress the team has made, many never having sailed before coming to MIT.

## Captain Duplin 2nd in World Star Class

By W. Thomas Compton

Joe Duplin, last year's star class World Champion, placed second among 63 entrants at this year's World Championships, held in Winthrop, Mass. Don Edler of Newport Beach, California was first.

Duplin won the fleet eliminations which qualified him for the Boston Harbor Fleet. He also won the Eastern Area Olympic Trials with two firsts and a second. At the National Final Olympic Trials he placed fifth. Dick Sterns of Chicago was first and will represent the United States at Tokyo.

## the sports spot

"Sports at MIT? I thought all you did here was study." This is the typical attitude of the entering freshman as he makes his initial contact with the sports program offered here at Tech. This article, dealing with varsity sports, is the first in a series of three to acquaint the neophyte with the wide-ranging opportunities in athletics. The next two will cover the intramural and managing aspects of the program.

## 18 varsity sports

The intercollegiate program, though not highly publicized, is one of the largest in the nation. With eighteen intercollegiate sports (everything but football), MIT is tied with Navy for having the most intercollegiate sports.

The program is not, however, geared for big-time sports designed to gain national prominence. This type of program re-

quires heavy recruiting and the granting of special favors to athletes, practices not within Tech philosophy. This results in having teams stocked only with dedicated athletes with a real desire to play and win.

## Competition varies

This type of system means of course that the comparative strength of teams will vary from sport to sport. Therefore, some teams such as crew, lacrosse, and sailing compete against nationally ranked teams consistently, while some other teams find their competition among the smaller colleges in New England. This makes for strong, interesting competition for every Tech team.

The great abundance of publicity for technological achievements made here tends to overshadow the sports picture to such an extent that one might believe

## Summer rowing

# Heavies fifth at IRA; JV's take fourth place

The MIT heavyweight crews spent the first half of their summer in the water as they rowed first in the Intercollegiate Rowing Association Championships and then in the Olympic Trials. The varsity heavies placed fifth at the IRA, while the JV picked up a fourth. A combination boat including Tech oarsmen got to the semifinals at the Olympic Trials.

## Leave day after school

The heavyweight contingent, consisting of three varsity boats and one freshman boat with two spares, left for Dartmouth the day after school let out. They spent one week practicing at Dartmouth before leaving for Syracuse. The intended races with Dartmouth were cancelled when it was learned that Dartmouth and MIT would be in the same preliminary heat at the IRA.

The crews then practiced at Syracuse for the next week before the trial heats started Friday, June 19. The competition consisted of fourteen of the nation's top collegiate rowing powers with the exceptions of Harvard and Yale.

## JVs fourth

The junior varsity won the Friday heat over Columbia and Dartmouth to get themselves into the finals Saturday afternoon. Even though exerting a very effort in the finals, the JV had to settle for fourth some eight lengths behind the winning men from Washington. Second and third were taken by California and Cornell.

The varsity barely qualified their final by finishing second in their heat behind California. In the final the varsity rowed good race but finished a dismally twelve lengths behind the victorious California crew in fifth place. California, the winners of the Western Sprints, rowed a surprisingly strong race in beating Eastern Sprints runner-up Cornell by an easy three lengths. The western powers made a very good showing with Washington finishing second and Wisconsin finishing fourth.

## Techmen try for Olympics

Immediately after the IRA, five Tech oarsmen left for Laconia, New Hampshire to get ready for the Olympic Trials in mid-July. Bill Weber '64, Bob Sandel '64, Joe Caldwell '64, Chris Miller '64 and Jim Falender '65 went with Coach Fralley to combine with oarsmen from four other schools to try out for the Olympics.

The several oarsmen made up three boats called the Laconia Rowing Association. A boat with Weber and Miller handling oar got to the semifinals where they finished third behind Harvard and Vesper Boat Club of Philadelphia. In the finals, Vesper beat Harvard by more than two lengths to qualify for the Olympics. The win came as a surprise to some observers since the race has been figured to be a showdown between Harvard and California, the top collegiate boats from the two coasts. There was some consolation in the win by Vesper since an MIT oarsman, Chet Reley '62, a former heavyweight captain, is a spare on the boat and will thus go to the Olympics.

In other rowing action this summer, Sandel rowed number two in a shell with seven Harvard oarsmen and helped to win the National Championships in mid-August. At the Olympic small boat trials, a two-oared shell with composed of Bob O'Donnell '64, Dave Penney '66, and Bud Boring '64, cox, finished sixth in the finals.

This fall the MIT crews will be back on the Charles River getting ready for the spring 1965 season with a new crop of freshmen oarsmen hoping for a better season.

# Introduction to athletics

## Focus:

# InterFraternity Council Officers



Don Schulman

Chairman of the Interfraternity Conference is Don Schulman '65, an AEPi from Chicago. Don has a history of working for the IFC, having served as house IFC Representative and as Treasurer of the IFC. Don is also a member of Beaver Key, the junior activities honorary, and has been a WTBS announcer and has rowed on the freshman crew.

Besides conducting meetings of the IFC, he also represents the fraternity system on Inscomm. Under his direction the IFC is working to further inter-house relations by increased contact of house presidents and other house officers such as house managers, pledge trainers, and rush chairmen. Of course efforts to further fraternity relations with the MIT community are being continued, stronger than ever.



J. D. Roach

J. D. Roach '65, a DU who hails from Maryville, Tennessee, is Vice-chairman of the IFC. Last fall he was one of two representatives from MIT to the National Interfraternity Conference at New York City. His other activities include: IFC Finance Board, Beaver Key, Secretariat, and chairman of the Christmas Convocation committee.



Larry King

Purchasing agent for the MIT fraternities is

Larry King '66, a Beta from Los Angeles, who heads the Purchasing Managers Council (PMC). The PMC uses the collective buying power of the fraternities to secure contracts for food, fuel, etc., having the fraternities thousands of dollars yearly. The council is voluntary, and presently twenty-six of the twenty-eight houses participate.

Larry also participates in other phases of student activity as a member of Secretariat, the varsity squash team, and financial manager of the Social Beaver.

## ELSIE'S

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## Good facilities

The Institute has proven its strong interest in athletics by providing top-notch facilities. Rockwell Cage, with a one-tenth mile track, room for a full basketball court and indoor lacrosse, baseball, or soccer practice at the same time is one of the best in the area. The newly completed duPont Athletic Center has facilities for judo, fencing, wrestling, squash and gymnastics.

The intercollegiate program at MIT is one of the best in the nation and provides enjoyment and physical development for better than 1000 students. It gives Techmen who want to put in the time and hard work a good opportunity for a worthwhile diversion. Most sports here require no previous experience to do well, and the fall program is a great place to get started. So why not go out for something?

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